



(19)

(11) Publication number:

0

Generated Document

## PATENT ABSTRACTS OF JAPAN

(21) Application number: 62289772

(51) Intl. Cl.: H01L 21/22

(22) Application date: 17.11.87

J P 011 305 22 A

(30) Priority:

(43) Date of application  
publication: 23.05.89

(84) Designated contracting  
states:

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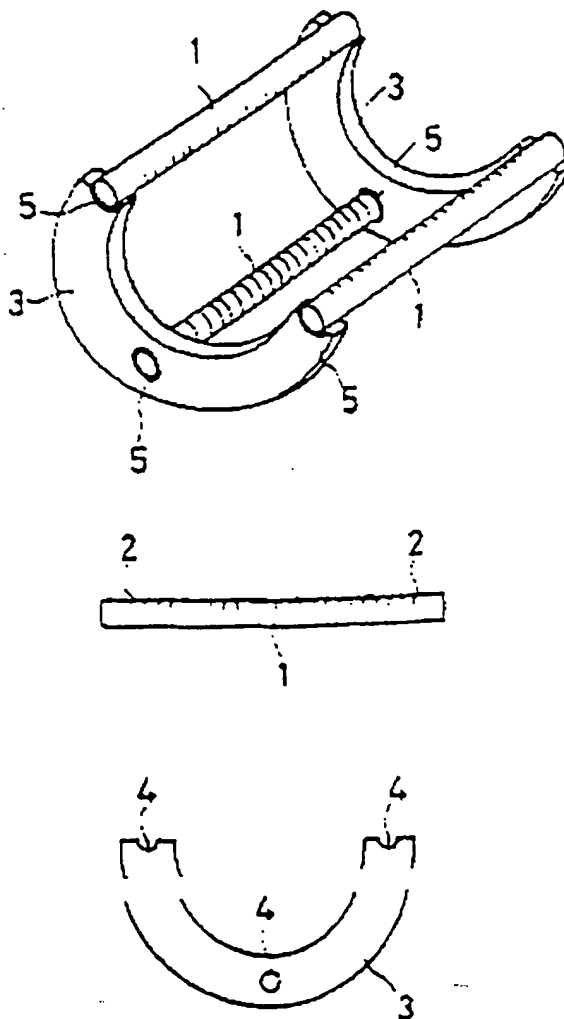
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### (54) MANUFACTURE OF WAFER BOAT

(57) Abstract:

**PURPOSE:** To obtain a refractory wafer boat of SiC by producing bar members and support plates separately, bonding them together by means of a resin containing SiC, and heating and welding them.

**CONSTITUTION:** Bar members 1 and support plates 3 are produced separately. Each of the bar members 1 is formed by providing a carbon bar with grooves 2, silicifying the grooved bar and impregnating it with Si. Each of the plates 3 is formed by providing a carbon semi-circular plate with recesses 4, silicifying the recessed plate and impregnating it with Si. The bar members 1 and the support plates 3 are bonded together by means of phenol resin 5 having SiC dispersed, and they are heated and welded. As a result, carbon in the resin 5 is reacted with silicon in the members 1 and plates 3 to produce SiC, whereby the members and the plates are fixed securely.



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